

SUBJECT INDEX TO VOLUMES 1-7

- Acid rain, Rhodes, S. L., 5.1
- Aerosols, Vickers, G. G., 1.1
 - , effect on atmospheric transmission, Hoyt, D. A., 5.1
- Aerosols, generated by nuclear war, Cess, R. D., 7.2
- Aerosols and climate, carbon, Ramaswamy, V., 5.3
 - , microparticles in East Antarctic ice core, Royer, A., 5.4
 - , relation to Gaia hypothesis, Shaw, G. E., 5.3
- Africa, paleoenvironmental and climatic change, Nicholson, S. E., 2.4, 3.1
- Africa, rainfall anomalies, Tyson, P. D., 2.4
- Agricultural practices, effect on albedo, Otterman, J., 1.2
- Agriculture and climate, Brinkmann, W. A. R., 2.2; Parry, M. L., 7.1; Williams, J., 2.3
- Agriculture, effects of CO₂ concentration, Seiler, W., 2.3
 - , effects of CO₂ on productivity, Rosenberg, N. J., 3.3; Rosenzweig, C., 7.4
- Agriculture, effects of climate in ancient Mesopotamia, Neumann, J., 1.3
- Agriculture, effects of climate variability, Bergthorsson, P., 7.1; Parry, M. L., 7.1; Michaels, P. J., 4.3, 7.2; Oram, P. A., 7.1; Schneider, S. H., 7.2; Stewart, T. R., 7.2
- Agriculture, effects of temperature trends in New Zealand, Salinger, M. J., 2.2
- Agriculture, implications of CO₂ increase, Rosenberg, N. J., 4.3, Santer, B., 7.1; Williams, G. D. V., 7.1
- Albedo, anthropogenic impact, Gornitz, V., 7.3; Otterman, J., 1.2
- Albedo, trends in the U.K., Henderson-Sellers, A., 2.3
- Anomalies, temperature and rainfall in warm years, Jager, J., 5.1
- Antarctica, oxygen isotope record, Morgan, V. I., 7.4
- Arctic Ocean, response to Soviet river diversions, Semtner, A. J. Jr., 6.2
- Arctic sea ice, simulation of CO₂-induced effects, Parkinson, C. L., 2.2
- Arctic, warm year anomalies, Jager, J., 5.1
- Atmospheric circulation, paleo, in Africa, Nicholson, S. E., 2.4, 3.1
- Atmospheric circulation, relation to lake levels in Africa, Vincent, C. E., 2.2
 - , relation to temperature and rainfall, Williams, J., 2.3
 - , twentieth century winters, Balling, R. C. Jr., 4.1
- Atmospheric effects of nuclear war, Crutzen, P. J., 6.4
- Australia, coastal erosion from tropical cyclones, Grant, P. J., 3.3
- Australia, recent climatic change, Pittock, A. B., 5.4
- Bio-controlled thermostasis, Shaw, G. E., 5.3
- Biosphere, carbon cycle modeling, Goudriaan, J., 6.2
 - , effect on atmospheric CO₂, Seiler, W., 2.3
- Brazil, drought in northeast, Rose, N., 2.3
- Bronze Age civilization, climatic impacts, Weiss, B., 4.2
- Burning, effect of biomass fires on atmospheric CO₂, Seiler, W., 2.3
- Canada, urbanization impact on growing season, Nkemdirim, L. C., 7.3
- Carbon cycle, Goudriaan, J., 6.2; Viecelli, J. A., 6.2
 - , latitudinal modeling, Viecelli, J. A., 3.3
 - , modeling CO₂ effects, Burt, J. E., 2.3
 - , response to deep sea CO₂ injection, Hoffert, M. I., 2.1
 - , modeling, future atmospheric CO₂, Laurmann, J. A., 5.2
- Carbon dioxide and climate, Clark, W. C., 5.1; Flohn, H., 1.1; Gilliland, R. L., 4.2; Gribbin, J., 6.4; Holdren, J. P., 5.1; Jager, J., 4.1, 5.1; Kandel, R. S., 5.1; Macintyre, F., 1.4; Meehl, G. A., 6.3; Rotty, R. M., 1.1; Siegenthaler, U., 6.4; Stanhill, G., 6.4; Wigley, T. M. L., 3.4, 5.1
- Carbon dioxide and climate, agricultural implications, Rosenberg, N. J., 3.3, 4.3; Rosenzweig, C., 7.4; Santer, B., 7.1; Williams, G. D. V., 7.1
- Carbon dioxide and climate, carbon cycle modeling, Goudriaan, J., 6.2; Laurmann, J. A., 5.2; Viecelli, J. A., 6.2
- Carbon dioxide and climate, climate modeling, Gates, W. L., 7.3; Watts, R. G., 2.4
- Carbon dioxide and climate, controversy on climate sensitivity, Kiehl, J. T., 5.4

- , economic aspects, Meyer-Abich, K. M., 3.4; 2.4; Schwabe, R., 3.4
- , ecosystem impacts, Rosenberg, N. J., 7.4
- , ecosystem implications, Emanuel, W. R., 7.1; Kauppi, P., 7.1; Rowntree, P. R., 7.4
- , effect of biosphere, Seiler, W., 2.3
- , effect of geoengineering project, Hoffert, M. I., 2.1
- , effect on Arctic sea ice, Parkinson, C. L., 2.2
- , future scenarios, Ausubel, J. H., 4.3; Lovins, A. B., 5.1
- Carbon dioxide and climate, impact assessment, Ausubel, J. H., 5.1; Oaks, S. D., 7.2; Schneider, S. H., 3.4; Warrick, R. A., 3.4
- Carbon dioxide and climate, industrial production, Elliott, W. P., 5.2
- , latitudinal carbon cycle model, Vieceilli, J. A., 3.3
- , modeling of soil moisture changes, Manabe, S., 3.4
- Carbon dioxide and climate, "natural experiments", Cess, R. D., 6.4; Enting, I. G., 6.4; Gilliland, R. L., 6.4; Gribbin, J., 6.4; Idso, S. B., 6.4; Kiehl, J. R., 6.4; Schneider, S. H., 6.4; Webster, P. J., 6.4
- Carbon dioxide and climate, ocean temperature feedback effects, Burt, J. E., 2.3
- Carbon dioxide and climate, policy implications, Bach, W., 3.1; Ellsaesser, H. W., 3.2; Laurmann, J. A., 7.3; Schneider, S. H., 2.3
- Carbon dioxide and climate, pre-industrial CO₂ level, Schneider, S. H., 5.4; Stanhill, G., 5.4; Waterman, L. S., 5.4; Wigley, T. M. L., 5.4
- Carbon dioxide and climate, relation to feedback model, Wright, P. B., 2.3
- , relation to interdisciplinary research, Chen, R. S., 3.4
- Carbon dioxide and climate, scenarios, Jager, J., 5.1
- , scenarios for Australia, Pittock, A. B., 5.4
- , scenarios for the future, Lovins, A., 4.3
- , sea level implications, Barnett, T. P., 5.1
- , Southern Hemisphere detection, Carter, J. R., 1.4; Damon, P. E., 1.4
- Carbon dioxide and climate, Southern Hemisphere scenarios, Pittock, A. B., 4.1
- , temperature and rainfall scenarios, Williams, J., 2.3
- , transient response, Michael, P., 3.2
- , uncertainties, Hansen, J., 5.2; Rasool, S. I., 5.2
- Carbon dioxide concentration, historical measurement, Siegenthaler, U., 6.4; Stanhill, G., 4.3, 6.4
- Carbon dioxide, ecosystem implications, Emanuel, W. R., 7.4
- , effect on ocean chemistry, Macintyre, F., 1.4
- , geoengineering, to mitigate, Marchetti, C., 1.1
- Charcoal, as sink for CO₂, from burned biomass, Seiler, W., 2.3
- China, paleoclimatic change and thunder, Wang, P.-K., 3.1
- , synoptic variability in climate, Huang H., 7.4
- Civilization and climate, Mediterranean Bronze Age, Weiss, B., 4.2
- Climate and forests, Henderson-Sellers, A., 6.3; Thompson, K., 3.1
- Climate and glaciology, Schneider, S. H., 4.4; Warren, S. G., 4.4
- Climate and history, Bell, W. T., 1.4; Dahlin, B. H., 5.3; Grove, J. M., 5.3; Parry, M. L., 4.2; Rabb, T., 5.2; Rannie, W. F., 5.3; Timmerman, P., 5.2
- Climate and history, in America, Thompson, K., 3.3
- , Yucatan Peninsula, Dahlin, B. H., 5.3
- Climate and society, Hanson, K. J., 2.2; Lamb, H. H., 2.4; Perry, J. S., 2.4
- Climate and solar activity, Molnar, Gy., 3.2
- Climate, from early earth to present, Hunt, G., 3.2
- Climate from tree rings, Kelly, P. M., 3.2
- Climate, human impact, Dickinson, R. E., 2.2
- Climate impact assessment, in Iceland, Bergthorsson, P., 7.1
- Climate modeling, Cess, R. D., 6.4; Enting, I. G., 6.4; Gilliland, R. L., 6.4; Gribbin, J., 6.4; Idso, S. B., 6.4; Kiehl, J. R., 6.4; Meehl, G. A., 6.3; Paltridge, G. W., 2.2; Webster, P. J., 6.4

- Climate modeling, CO₂ increase, Manabe, S., 3.4
 - , feedback relationships, Wright, P. B., 2.3
 - , GCM analysis of ecosystem impact, Gates, W. L., 7.3
 - , ice ages, Adem, J., 3.2
 - , modeling of transient response to CO₂, Michael, P., 3.2
 - , parameterizing land surface processes, Henderson-Sellers, A., 7.4
 - , sea ice, Semtner, A. J. Jr., 6.1
- Climate models, effects of carbon dioxide, Cess, R. D., 6.4; Enting, I. G., 6.4; Gilliland, R. L., 6.4; Gribbin, J., 6.4; Idso, S. B., 6.4; Kiehl, J. T., 6.4; Santer, B., 7.1; Watts, R. G., 2.4; Webster, P. J., 6.4
- Climate models, effects of nuclear war, Cess, R. D., 7.2
- Climate modification, deliberate, Marchetti, C., 1.1
- Climate variability, relation to surface albedo, Gornitz, V., 7.3
- Climatic change, ancient to modern, Budyko, M. I., 2.1; McAfee, R. J., 2.1
- Climatic change and theory, Liverman, D., 6.3; Thompson, S. L., 4.2
- Climatic change, deliberate from flooding, Segal, M., 5.1
 - , editorial matters, Schneider, S. H., 1.1; Schneider, S. H., 7.4
 - , effects of oceanic mixing on, Luyten, J., 5.2
 - , impacts on humans, Flohn, H., 1.4
 - , selection of essays, Barry, R. G., 1.4
 - , speculation on causes, Flohn, H., 1.4
- Climatic impact analysis, scale analysis, Clark, W. C., 7.1
- Climatic impact assessment, Glantz, M. H., 1.1; Hecht, A. D., 1.2; McKay, G. A., 2.1; Michaels, P. J., 7.2; Oaks, S. D., 7.2; Oram, P. A., 7.1; Parry, M. L., 7.1; Schneider, S. H., 7.2; Stewart, T. R., 7.; Timmerman, P., 4.2; Warrick, R. A., 3.4, 4.2
- Climatic impact assessment, carbon dioxide context, Ausubel, J. H., 5.1
 - , case of carbon dioxide, Meyer-Abich, K. M., 2.4
 - , CO₂ context, Chen, R. S., 3.4
 - , drought planning in Great Plains, Quinn, M. L., 4.3
 - , economic analysis, Smith, V. K., 4.1
 - , economics of monitoring systems, Sassone, P. G., 4.2
 - , separating weather and social effects, Glantz, M. H., 1.4
 - , estimates to the year 2000, Schneider, S. H., 7.2; Stewart, T. R., 7.2
- Climatic variability, flooding in Illinois, Changnon, S. A. Jr., 5.4
 - , growing season in Minnesota, Skaggs, R. H., 7.4
 - , Icelandic agricultural response, Bergthorsson, P., 7.1
 - , relation to agricultural production, Oram, P. A., 7.1
 - , synoptic in China, Huang H., 7.4
- Coastal upwelling and fisheries, Verstraete, M. M., 4.1
- Content analysis, 18th century temperature, Baron, W. R., 4.4
- Crop yield modeling, winter wheat, Greene, D. M., 2.1
- Crop yield, variability, Sakamoto, C., 2.4
- Crop/climate modeling, Katz, R. W., 1.1; Michaels, P. J., 4.3; Sakamoto, C., 2.1; Warrick, R. A., 6.1
- Crop/climate modeling, Great Plains corn, Terjung, W. H., 6.2
- Deforestation, effect on albedo and climate, Henderson-Sellers, A., 6.3; Schneider, S. H., 6.3
 - , effect on climate, Otterman, J., 1.2
- Deglaciation, mechanisms of, Ruddiman, W. F., 3.1
- Desertification, Hare, F. K., 1.4
 - , in Sahel, Wendler, G., 5.4
- Development in arid regions, Verstraete, M., 6.3
- Drought, effects on albedo in the U.K., Henderson-Sellers, A., 2.3
 - , in northeast Brazil, Rose, N., 2.3
 - , in U.S. Great Plains, Warrick, R. A., 6.1
 - , planning in Great Plains, Quinn, M. L., 4.3

- Ecology, biophysical, Dickinson, R. E., 4.4
 Economics and carbon dioxide increase, Ausubel, J. H., 5.1
 Economics and climate, Parry, M. L., 7.1; Sassone, P. G., 4.2; Smith, V. K., 4.1
 , acreage abandonment, Michaels, P. J., 7.2
 Ecosystems, implications of climatic change, Emanuel, W. R., 7.1, 7.4; Gates, W. L., 7.3; Kauppi, P., 7.1; Rowntree, P. R., 7.4
 Editorial policy, Schneider, S. H., 2.4
 Egypt, climate changes from flooding, Segal, M., 5.1
 El Chichon, effects of eruption on climate, Schneider, S. H., 5.2
 El Nino, effects on coastal fishing, Thompson, J. D., 1.3
 Energy and climate, Ellsaesser, H. W., 3.2; Flohn, H., 1.1; Hoffert, M. I., 3.3; Krenz, J. H., 1.4; Perry, J. S., 3.3, 3.4; Rotty, R. M., 1.1; Schneider, S. H., 1.1
 Energy conservation, Krenz, J. H., 1.4
 Energy, renewable resources, Krenz, J. H., 6.4
 Energy, world supplies, Fischer, G., 6.3
 Environmental sciences, King, A., 1.3
 Environmental systems, effects of changing climate on, Salinger, J., 5.2
 Erosion, relation to CO₂ increase, Kovda, V. A., 2.2, 3.2; Yaalon, D. H., 3.2
 Evaporation, atmospheric, Covey, C., 5.2
 Evapotranspiration, Great Plains corn, Terjung, W. H., 6.2
 Feedback, between albedo, temperature and rainfall, Henderson-Sellers, A., 2.3
 , in models of CO₂ effects, Watts, R. G., 2.4
 , relationships in climate modeling, Wright, P. B., 2.3
 Fisheries, connection to climate, Thompson, J. D., 1.3
 Flooding and climatic conditions in Illinois, Changnon, S. A. Jr., 5.4
 Food and climate, Bach, W., 4.4; Borock, D. M., 3.2; Greene, D. M., 2.1; Katz, R. W., 1.1; Parry, M. L., 7.1; Pereira, C., 3.1; Sakamoto, C., 2.1; Schneider, S. H., 1.1, 3.1; Sinha, S. K., 6.1; Yao, A. Y. M., 2.3
 Food and climate, growing season in relation to climate change, Brinkmann, W. A. R., 2.2
 , interannual weather and yield variability, Sakamoto, C., 2.4
 , relation between rust disease and wheat yield, Coakley, S. M., 2.1, 3.3
 , temperature trends, agricultural implications, Salinger, M. J., 2.2
 Forecasts, statistical of winter temperature, Cehak, K., 4.3
 Forests, relation to climatic change in America, Thompson, K., 3.1
 , sensitivity to warming, Kauppi, P., 7.1
 Gaia hypothesis, Shaw, G. E., 5.3
 Glacial cycles, modeling of, Oerlemans, J., 4.4
 Glacial record, pre-Pleistocene, Barron, E. J., 5.3
 Glaciers, Warren, S. G., 4.3
 Glaciology and climatology, Schneider, S. H., 4.4; Warren, S. G., 4.4
 Glaciology, last glaciation, Budd, W. F., 4.4
 Global Atmospheric Research Program, relation to climate modeling, Paltridge, G. W., 2.2
 Great Plains, Federal drought planning, Quinn, M. L., 4.3
 , historical analysis, Opie, J., 4.3
 Green Revolution, effects of climatic variability, Michaels, P. J., 4.3
 Greenland, climatic signal in ice core, Lawson, M. P., 4.4
 Gross national product, relation to energy growth, Krenz, J. H., 1.4
 Groundwater, availability, Yucatan Peninsula, Dahlin, B. H., 5.3
 Growing season, in Minnesota since 1899, Skaggs, R. H., 7.4
 , relation to climate variation, Brinkmann, W. A. R., 2.2
 , relation to urbanization, Nkemdirim, L. C., 7.3
 Hazards, society to climatic stress, Warrick, R. A., 3.4
 Haze, Vickers, G. G., 1.1
 Health, effects of weather on, Meade, M., 5.2
 Historical analysis, 19th century CO₂ measurements, Stanhill, G., 4.3

- History and climate, Kington, J. A., 3.1; Lindgren, S., 4.1; Neumann, J., 1.3; W. Schwerdtfeger, 1.3
- History and climate, 1695 case, Lindgren, S., 3.2
- , Bronze Age in eastern Mediterranean, Weiss, B., 4.2
 - , content analysis 18th century temperature, Baron, W. R., 4.4
 - , freezeup of Red River in 19th century, Rannie, W. F., 5.3
 - , geese as proxy, Ball, T., 5.1
 - , Iceland sea ice, Ogilvie, A. E. J., 6.2
 - , in America, Thompson, K., 3.3
 - , in classical literature, Neumann, J., 7.4
 - , instrumental rainfall in California, Rowntree, L. B., 7.3
 - , Latin America, Claxton, R. H., 1.3
 - , Little Ice Age, western Norway, Grove, J. M., 5.3
 - , precipitation series at Padua, Camuffo, D., 6.1
 - , reconstruction of Holland temperatures, van den Dool, H. M., 1.4
 - , Tigris-Euphrates area, Kay, P. A., 3.3
- Hudson Bay, geese migration as proxy of climate change, Ball, T., 5.1
- Hudson Strait, historical summer sea ice severity, Catchpole, A. J. W., 5.2
- Hydroclimatology, Verstraete, M. M., 7.2
- , effect of vegetation, Sellers, P. J., 3.2
 - , precipitation variability on Pacific coast, McGuirk, J. P., 4.1
- Hydrology, precipitation patterns, Vines, R. G., 6.1
- Ice ages, Kutzbach, J. E., 4.1
- , causes of last, Budd, W. F., 4.4
 - , climate modeling, Fong, P., 4.2
 - , mechanisms of deglaciation, Ruddiman, W. F., 3.1
 - , numerical modeling, Adem, J., 3.2
- Ice and climate, modeling of, Warren, S. G., 4.4
- Ice core, Carbon-14 comparisons to delta O₁₈, Fisher, D. A., 4.4
- , climatic signal in Greenland, Lawson, M. P., 4.4
 - , Law Dome, Antarctica, Morgan, V. I., 7.4
 - , microparticles in East Antarctica, Royer, A., 5.4
- Ice, melting of, effects on sea level, Barnett, T. P., 5.1
- , on Red River at Winnipeg in 19th century, Rannie, W. F., 5.3
- Ice sheet modeling, Ledley, T. S., 7.3; Oerlemans, J., 4.4
- Ice sheets, Waddington, E. D., 6.2
- Iceland, sea ice record to 1780, Ogilvie, A. E. J., 6.2
- India, monsoon fluctuations, Mooley, D. A., 6.3
- Interdisciplinary science, Chen, R. S., 3.4; Eddy, J. A., 1.3; Schneider, S. H., 1.1
- , public support for, Schneider, S. H., 4.1
- Lake levels, paleoclimate in Africa, Nicholson, S. E., 2.4, 3.1
- Lake Naivasha, indicator of equatorial westerlies, Vincent, C. E., 2.2
- Land surfaces, archive of types, Henderson-Sellers, A., 7.4
- Legal aspects of weather modification, Weiss, E. B., 1.3
- Little Ice Age, effects, western Norway, Grove, J. M., 5.3
- Maunder Minimum, possible climate connection, Eddy, J. A., 1.2
- Mesopotamia, climate variation and harvest dates, Neumann, J., 1.3
- , streamflow from proxy data, Kay, P. A., 3.3
- Minnesota, long-term temperature trends, Baker, D. G., 7.2
- Modeling of climate (see climate modeling)
- Modification of climate, flooding in Egypt, Segal, M., 5.1
- Monitoring systems, economics of, Sassone, P. G., 4.2
- Monsoon, Central African, Hare, F. K., 1.2
- , India, Mooley, D. A., 6.3
- Montsouris Observatory, CO₂ measurement, Stanhill, G., 4.3
- National Defense University, a methodological critique, Schneider, S. H., 7.2; Stewart, T. R., 7.2
- Netherlands, winter temperatures for instrumental records, van den Dool, H. M., 1.4

- New Zealand, coastal erosion from tropical cyclone, Grant, P. J., 3.3
 Nitrogen fixation, impact on fertilizer, stratospheric ozone, Pratt, P. F., 1.2
 North America, temperature trends from tree rings, Fritts, H. C., 7.2
 Nuclear war and climate, Cess, R. D., 7.2; Crutzen, P. J., 6.4; Harvey, L. D. D., 7.4; Pittcock, A. B., 7.2; Sagan, C., 6.1; Thompson, S. L., 6.2
 Ocean, effect of injection of fossil fuel carbon dioxide, Hoffert, M. I., 2.1
 Oceans, effects of mixing on climate, Luyten, J., 5.2
 , geological maps of North Atlantic, Barron, E. J., 3.3
 , temperature coefficient of CO₂, Macintyre, F., 1.4
 , temperature feedback and CO₂ increase, Burt, J. E., 2.3
 Orbital variations, effects on deglaciation, Ruddiman, W. F., 3.1
 , effects on insolation, Borisenkov, Ye. P., 5.3
 , modeling effects of, Adem, J., 3.2
 Oxygen isotopes, compared to Carbon-14 in ice core, Fisher, D. A., 4.4
 , in Antarctica, Morgan, V. I., 7.4
 , in Greenland ice core, Lawson, M. P., 4.4
 Ozone, economics of monitoring systems, Sassone, P. G., 4.2
 , production in stratosphere, Ellsaesser, H. W., 1.3
 Pacific coast, variability of precipitation, McGuirk, J. P., 4.1
 Paleoclimate, Barron, E. J., 3.2; Eddy, J. A., 2.4
 , East Antarctic ice core record, Royer, A., 5.4
 , environment and circulation in Africa, Nicholson, S. E., 2.4, 3.1
 , in China, Wang, P.-K., 3.1
 , mechanisms of rapid deglaciation, Ruddiman, W. F., 3.1
 , possible effects of variable sun, Sonnenfeld, P., 1.4
 Parameterization, relation to climate modeling, Paltridge, G. W., 2.2
 Periodicities, ice-climate models, Oerlemans, J., 4.4
 , in ice ages, Fong, P., 4.2
 , in South African rainfall, Tyson, P. D., 2.4
 Photosynthesis, effects of CO₂, Rosenberg, N. J., 3.3
 Planetary atmospheres, Stoker, C. R., 6.1
 , theory, Rasool, S. I., 3.1
 Political process, effects on CO₂ policy, Meyer-Abich, K., 3.4, 2.4; Schwere, R., 3.4
 Pollution, atmospheric, Dennis, R. L., 4.3
 Precipitation, effects of CO₂ in Australia, Pittcock, A. B., 5.4
 , in U.S. in twentieth century, Balling, R. C. Jr., 4.1
 , Padua, Italy 1725-1981, Camuffo, D., 6.1
 , patterns in eastern U.S., Vines, R. G., 6.1
 , relation to flooding in Illinois, Changnon, S. A. Jr., 5.4
 Precipitation variability, Pacific coast, McGuirk, J. P., 4.1
 Primary productivity, relation to CO₂, Viereck, J. A., 6.2
 Proxy climatic record, periodicity in crab population, Hurt, P. R., 2.1
 Proxy climatic records, geese migration in Hudson Bay, Ball, T., 5.1
 Proxy data, streamflow of Tigris-Euphrates, Kay, P. A., 3.3
 Rainfall and climate, relationship in the Middle East, Striem, H. L., 2.1
 Rainfall, anomalies in connection to temperature in warm years, Jager, J., 5.1
 , eastern U.S., Vines, R. G., 6.1
 , fluctuations in Indian monsoon, Mooley, D. A., 6.3
 , pre-instrumental in California, Rowntree, L. B., 7.3
 , relation to lake levels in Africa, Vincent, C. E., 2.2
 , relation to temperature in warm years, Williams, J., 2.3
 , relationship to winds in Australia, Ward, W. T., 3.1
 Regression analysis, temperature reconstruction, van den Dool, H. M., 1.4
 Richardson, Lewis F., Boulding, K. E., 7.4
 Risk analysis, applied to climate and agriculture, Parry, M. L., 7.1
 Sahara, meteorological description, Hare, F. K., 1.2
 Sahel zone, desertification, Wendler, G., 5.4
 Sahelian drought, Glantz, M. H., 1.1

- Salinization, Kovda, V., 3.2, 2.2; Yaalon, D. H., 3.2
- Satellite monitoring, solar irradiance, Smith, E. A., 5.3
- Scale analysis, in climatic impact assessment, Clark, W. C., 7.1
- Sea ice, Iceland record to 1780, Ogilvie, A. E. J., 6.2
 , impacts on historical events, Lindgren, S., 4.1
- Sea ice modeling, Semtner, A. J. Jr., 6.1, 6.2
 , from CO₂-induced temperature rise, Parkinson, C. L., 2.2
 , summer severity in Hudson Strait, Catchpole, A. J. W., 5.2
- Sea level, recent changes, Barnett, T. P., 5.1
- Service processes, relation to desertification, Wendler, G., 5.4
- Smoke, from nuclear war, Crutzen, P. J., 6.4
- Societal vulnerability, to climatic variation, Warrick, R. A., 3.4
- Socioeconomic impacts of CO₂, Meyer-Abich, K., 3.4, 2.4; Schwere, R., 3.4
- Soil moisture, effect of tropical cyclones Southwest Pacific, Grant, P. J., 3.3
 , effects of CO₂ increase, Manabe, S., 3.4
 , modeling of, Sellers, P. J., 3.2
 , relation to crop yields, Sakamoto, C., 2.1
- Soils, fertility, Kovda, V., 3.2, 2.2; Yaalon, D. H., 3.2
- Solar constant, Eddy, J. A., 5.3; Smith, E. A., 5.3
- Solar cycle, Schuurmans, C. J. E., 1.3
- Solar forcing, effect on recent climate, Enting, I. G., 6.4; Gilliland, R. L., 4.2, 6.4
- Solar physics, Gilliland, R. L., 4.3
- Solar variability and climate, Borisenkov, Ye. P., 5.3; Molnar, Gy., 3.2;
 Palumbo, A., 6.3; Smith, E. A., 5.3
- Solar variability and climate, Cenozoic time scale, Sonnenfeld, P., 1.4
- Southern Hemisphere, scenarios for CO₂-warmed earth, Pittcock, A. B., 4.1
- Soviet river diversions, climatic response, Semtner, A. J. Jr., 6.2
- Species diversity, Pimentel, D., 6.1
- Stratospheric ozone, effect of nitrogen fixation, Pratt, P. F., 1.2
 , uncertainties in assessment of trends, Ellsaesser, H. W., 1.3
 , uncertainties of predicting human effects, Whitten, R. C., 2.2
- Stripe rust, effect on winter wheat, Coakley, S. M., 2.1, 3.3
- Sunspot cycle, correlation with crab population, Hurt, P. R., 2.1
- Sunspots and climate, Hoyt, D. V., 2.1
- Sunspots and solar irradiance, Smith, E. A., 5.3
- Sunspots, possible effects on weather, Schuurmans, C. J. E., 1.3
 , relationship to wind and rain in Australia, Ward, W. T., 3.1
 , relative absence in Maunder Minimum, Eddy, J. A., 1.2
- Supersonic transport, possible impacts on ozone, Ellsaesser, H. W., 1.3
- Technology, effects on vulnerability to drought, Glantz, M. H., 1.1
- Temperature and rainfall, relationship in the Middle East, Striem, H. L., 2.1
- Temperature, changes in extremes, Palumbo, A., 6.3
- Temperature trends, 18th century reconstruction, Baron, W. R., 4.4
 , 20th century in Indiana, Agee, E. M., 4.4
 , causes of 20th century records, Hansen, J., 5.2; Rasool, S. I., 5.2
 , central Canada, 1768-1910, Ball, T. F., 6.1
 , effect of external forcings, Gilliland, R. L., 4.2
 , in North America from tree rings, Fritts, H. C., 7.2
 , long-term in Minnesota, Baker, D. G., 7.2
 , New Zealand, Salinger, M. J., 2.2
 , of oceanic mixing on, Luyten, J., 5.2
 , relation to atmospheric transmission, Hoyt, D. A., 5.1
 , relation to recent sea level, Barnett, T. P., 5.1
 , relation to sunspot variations, Hoyt, D. V., 2.1
 , Southern Hemisphere, Carter, J. R., 1.4; Damon, P. E., 1.4

- Temperature variability, interannual in the U.S., Chico, T., 2.2
- Temperature, winter in Danube, Cehak, K., 4.3
- Thunder, relationship to paleoclimatic change, Wang, P-K., 3.1
- Transmission, of atmosphere at Davos, Hoyt, D. A., 5.1
- Tree rings, to estimate North American temperature, Fritts, H. C., 7.2
- Tropical cyclones, coastal erosion in Australia and New Zealand, Grant, P. J., 3.3
- Tropical deforestation, climatic implications, Henderson-Sellers, A., 6.3
- Ultraviolet radiation, possible effects on paleoenvironment, Sonnenfeld, P., 1.4
- Umbral/penumbral ratio, correlation to climate, Hoyt, D. V., 2.1
- Upwelling, relation to fisheries, Thompson, J. D., 1.3
- Urbanization, impact on growing season, Nkemdirim, L. C., 7.3
- Variability, daily temperatures in Indiana, Agee, E. M., 4.4
 - , in crop yield, interannual in major countries, Sakamoto, C., 2.4
 - , of climate, effects on Green Revolution, Michaels, P. J., 4.3
 - , of interannual temperature in the U.S., Chico, T., 2.2
 - , weather extremes and climate change, Hoyt, D. V., 3.3
 - , weather maps, Kington, J. A., 3.1
- Vegetation changes, in West Africa, Gornitz, V., 7.3
- Vegetation, effect on hydroclimatology, Sellers, P. J., 3.2
- Visibility, Vickers, G. G., 1.1
- Volcanic dust, possible effects of Mt. Tambora on climate, Catchpole, A. J. W., 5.2
 - , possible effects on climate, Schneider, S. H., 5.2
- Volcanic forcing, effect on recent climate, Gilliland, R. L., 4.2
- Warming trend, Southern Hemisphere, Carter, J. R., 1.4; Damon, P. E., 1.4
- Weather, climate change and probability of extremes, Hoyt, D. V., 3.3
 - , effect on winter wheat diseases, Coakley, S. M., 2.1, 3.3
 - , effects on history, Lindgren, S., 4.1
 - , effects on winter wheat, Greene, D. M., 2.1
 - , extremes in Germany, Lindgren, S., 3.2
- Weather maps, since 1781, Kington, J. A., 3.1
- Weather modification, legal aspects, Weiss, E. B., 1.3, 2.1
 - , technology and law, Taubenfeld, H. J., 2.2
- Weather records, historical climate reconstruction source, Bell, W. T., 1.4
- Wheat production, drought effects, Warrick, R. A., 6.1
- Wheat yield, effects of CO₂ increase, Rosenzweig, C., 4
 - , probability of interannual variation, Sakamoto, C., 2.4
- Women, in science, Brinkmann, W. A. R., 2.3
- World predicament, implication and connection to climatic change, Ellsaesser, H. W., 1.3; Schneider, S. H., 1.3
- Yield modeling by statistical techniques, Katz, R. W., 1.1

AUTHOR INDEX TO VOLUMES 1-7

- Adem, J., Numerical Experiments on Ice Age Climates, 1981, 3.2, 155-171
- Agee, E. M., A Diagnosis of Twentieth Century Temperature Records at West Lafayette, Indiana, 1982, 4.4, 399-418
- Ausubel, J. H., Review of Least-Cost Energy: Solving the CO₂ Problem, Lovins, A. B., Lovins, L. H., 1982, 4.3, 313-317; Can We Assess the Impacts of Climatic Changes?, 1983, 5.1, 7-14
- Ausubel, J. H., Bach, W., The CO₂ Issue - What Are the Realistic Options? An Editorial, 1980, 3.1, 3-5
- Bach, W., Book Review of Climate's Impact on Food Supplies: Strategies and Technologies for Climate-Defensive Food Production, Slater, L. E. and S. K. Levin (eds.), 1982, 4.4, 427-429
- Baker, D. G., Watson, B. F., Skaggs, R. H., The Minnesota Long-Term Temperature Record, 1985, 7.2, 225-236
- Ball, T., The Migration of Geese as an Indicator of Climate Change in the Southern Hudson Bay Region Between 1715 and 1851, 1983, 5.1, 85-93
- Ball, T. F., Kingsley, R. A., Instrumental Temperature Records at Two Sites in Central Canada: 1768-1910, 1984, 6.1, 39-56
- Balling, R. C., Jr., Lawson, M. P., Twentieth Century Changes in Winter Climatic Regions, 1982, 4.1, 57-69
- Barnett, T. P., Recent Changes in Sea Level and Their Possible Causes, 1983, 5.1, 15-38
- Baron, W. R., The Reconstruction of Eighteenth Century Temperature Records Through the Use of Content Analysis, 1982, 4.4, 385-398
- Barron, E. J., Review of Climates Through Geologic Time, Frakes, L. A., 1981, 3.2, 213-214; Review of NOAA Atlas 3, 1981, 3.3, 335; Review of Earth's Pre-Pleistocene Glacial Record, M. J. Hambrey and W. B. Harland (eds.), 1983, 5.3, 307
- Barry, R. G., Review of Climatic Change, J. Gribbin (ed.), 1978, 1.4, 393
- Bell, W. T., Ogilvie, A. E. J., Weather Compilations as a Source of Data for the Reconstruction of European Climate during the Medieval Period, 1978, 1.4, 331-348
- Bergthorsson, P., Sensitivity of Icelandic Agriculture to Climatic Variations, 1985, 7.1, 111-127
- Borisenkov, Ye. P., Tsvetkov, A. V., Agaponov, S. V., On Some Characteristics of Insolation Changes in the Past and the Future, 1983, 5.3, 237-244
- Borock, D. M., Food and Climatic Change: A Problem in Strategic Thinking - An Editorial, 1981, 3.2, 117-120
- Boulding, K. E., Review of Prophet or Professor?, Ashford, O. M., 1985, 7.4, 461-462
- Brinkmann, W. A. R., Growing Season Length as an Indicator of Climatic Variations?, 1979, 2.2, 127-138; Review of Covert Discrimination and Women in the Sciences, J. A. Ramaley (ed.), 1980, 2.3, 304
- Budd, W. F., Review of The Last Great Ice Sheets, G. H. Denton and T. J. Hughes (eds.), 1982, 4.4, 341-351
- Budyko, M. I., Review of Climate: Present, Past and Future, Vol. 2: Climatic History and The Future, Lamb, H. H., 1979, 2.1, 94-95
- Burt, J. E., Vecellio, J. A., Magnitude of Ocean Temperature Feedback Effects in a Coupled Carbon-budget Energy-balance Model for the Period 1800-2100, 1980, 2.3, 267-274
- Camuffo, D., Analysis of the Series of Precipitation at Padova, Italy, 1984, 6.1, 57-77
- Carter, J. R., Letter Concerning the Paper 'Global Cooling?', 1978, 1.4, 383-385
- Catchpole, A. J. W., Faurer, M.-A., Summer Sea Ice Severity in Hudson Strait, 1751-1870, 1983, 5.2, 115-139
- Cehak, K., A Markov-Chain Model for Winterstrength in the Upper Danube Region, 1982, 4.3, 297-311
- Cess, R. D., Nuclear War: Illustrative Effects of Atmospheric Smoke and Dust Upon Solar Radiation, 1985, 7.2, 237-251
- Cess, R. D., Potter, G. L., A Commentary on the Recent CO₂-Climate Controversy, 1984, 6.4, 365-376

- Changnon, S. A. Jr., Trends in Floods and Related Climate Conditions in Illinois, 1983, 5.4, 341-363
- Chen, R. S., Interdisciplinary Research and Integration: The Case of CO₂ and Climate, 1981, 3.4, 429-447
- Chico, T., Sellers, W. D., Interannual Temperature Variability in the United States Since 1896, 1979, 2.2, 139-147
- Clark, W. C., The Carbon Dioxide Review, 1983, 5.1, 3-5; Scales of Climate Impacts, 1985, 7.1, 5-27
- Claxton, R. H., Hecht, A. D., Climate and Human History in Europe and Latin America: An Opportunity for Comparative Study, 1978, 1.3, 195-203
- Coakley, S. M., Climate Variability in the Pacific Northwest and Its Effect on Stripe Rust Disease of Winter Wheat, 1979, 2.1, 33-51
- Coakley, S. M., Line, R. F., Climatic Variables that Control Development of Stripe Rust Disease on Winter Wheat, 1981, 3.3, 303-315
- Covey, C., Review of Evaporation into the Atmosphere: Theory, History and Applications, Brutsaert, W. H., 1983, 5.2, 193-194
- Crutzen, P. J., Gálbally, I. E., Bruhl, C., Atmospheric Effects from Post-nuclear Fires, 1984, 6.4, 323-364
- Dahlin, B. H., Climate and Prehistory on the Yucatan Peninsula, 1983, 5.3, 245-263
- Damon, P. E., Kunen, S. M., Reply to "Letter Concerning the Paper 'Global Cooling?'", 1978, 1.4, 387-389
- Dennis, R. L., Middleton, P., Review of Atmospheric Pollution, 1980, M. M. Benarie, (ed.), 1982, 4.3, 321-322
- Dickinson, R. E., Review of Man's Impact on Climate, W. Bach, J. Pankrath, W. Kellogg (eds.), 1979, 2.2, 191-193; Review of Biophysical Ecology, Gates, D. W., 1982, 4.4, 430-431
- Eddy, J. A., Climate and the Changing Sun, 1977, 1.2, 173-190; In the Neolithic Age - An Editorial, 1978, 1.3, 191-193; Review of Our Changing Climate, Hays, J. D., 1980, 2.4, 412-413; The Solar Constant - An Editorial, 1983, 5.3, 207-209
- Elliott, W. P., A Note on the Historical Industrial Production of Carbon Dioxide, 1983, 5.2, 141-144
- Ellsaesser, H. W., A Reassessment of Stratospheric Ozone: Credibility of the Threat, 1978, 1.3, 257-266; The World Predicament - Correspondence, 1978, 1.3, 297-298; Correspondence, 1981, 3.2, 219
- Emanuel, W. R., Shugart, H. H., Stevenson, M. P., Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes, 1985, 7.1, 30-43; Response to Comment: Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes, 1985, 7.4, 457-460
- Enting, I. G., Pittock, A. B., Pearman, G. I., Comments on 'Solar, Volcanic and CO₂ Forcing of Recent Climatic Changes' (Climatic Change 4, 111-131), 1984, 6.4, 397-405
- Fischer, G., Review of World Energy Supply, Resources, Technologies, Perspectives, Grätwohl, M., 1984, 6.3, 314-315
- Fisher, D. A., Carbon-14 Production Compared to Oxygen Isotope Records from Camp Century, Greenland and Devon Island, Canada, 1982, 4.4, 419-426
- Flohn, H., Climate and Energy: A Scenario to a Twenty-first Century Problem, 1977, 1.1, 5-20; Review of Climates of Hunger: Mankind and the World's Changing Weather, Bryson, R. A. and Murray, T. J., 1978, 1.4, 391-392
- Fong, P., Latent Heat of Melting and Its Importance for Glaciation Cycles, 1982, 4.2, 199-206
- Fritts, H. C., Lough, J. M., An Estimate of Average Annual Temperature Variations for North America, 1602 to 1961, 1985, 7.2, 203-224
- Gates, W. L., The Use of General Circulation Models in the Analysis of the Ecosystem Impacts of Climatic Change, 1985, 7.3, 267-284
- Gilliland, R. L., Solar, Volcanic, and CO₂ Forcing of Recent Climatic Changes,

- 1982, 4.2, 111-131; Review of Our Turbulent Sun, Frazier, K., and In the Light of the Sun, Washburn, M., 1982, 4.3, 318-319; Reply to Comments on 'Solar, Volcanic and CO₂ Forcing of Recent Climatic Changes', 1984, 6.4, 407-408
- Glantz, M. H., Nine Fallacies of Natural Disaster: The Case of the Sahel, 1977, 1.1, 69,84; 'Render Unto Weather...' - An Editorial, 1978, 1.4, 305-306
- Gornitz, V., A Survey of Anthropogenic Vegetation Changes in West Africa During the Last Century - Climatic Implications, 1985, 7.3, 285-325
- Goudriaan, J., Ketner, P., A Simulation Study for the Global Carbon Cycle, Including Man's Impact on the Biosphere, 1984, 6.2, 167-192
- Grant, P. J., Recently Increased Tropical Cyclone Activity and Inferences Concerning Coastal Erosion and Inland Hydrological Regimes in New Zealand and Eastern Australia, 1981, 3.3, 317-332
- Greene, D. M., Sutherland, S. M., Kirkham, M. B., Influence of Area on Winter Wheat Climatic Models, 1979, 2.1, 21-32
- Gribbin, J., Correspondence, 1984, 6.4, 393; Review of The Survival of Civilization, Hamaker, J. D., 1984, 6.4, 417-418
- Grove, J. M., Battagel, A., Tax Records from Western Norway, as an Index of Little Ice Age Environmental and Economic Deterioration, 1983, 5.3, 265-282
- Hansen, J., Johnson, D., Lacis, A., Lebedeff, S., Lee, P., Rind, D., Russell, G., Reply to Rasool, 1983, 5.2, 203-204; Review of Carbon Dioxide, Climate and Society, J. Williams (ed.), 1979, 2.2, 194-195
- Hare, F. K., Takoradi-Khartoum Air Route, 1977, 1.2, 157-172; Review of Desertification, M. H. Glantz (ed.), 1978, 1.4, 392
- Harvey, L. D. D., Review of The Environmental Effects of Nuclear War, J. London and G. F. White (eds.), 1985, 7.4, 464-466
- Hecht, A. D., Guest Editorial, 1977, 1.2, 107-108
- Henderson-Sellers, A., Albedo Changes - Surface Surveillance from Satellites, 1980, 2.3, 275-281
- Henderson-Sellers, A., Gornitz, V., Possible Climatic Impacts of Land Cover Transformations, with Particular Emphasis on Tropical Deforestation, 1984, 6.3, 231-257
- Henderson-Sellers, A., Wilson, M. F., Thomas, G., The Effect of Spatial Resolution on Archives of Land Cover Type, 1985, 7.4, 391-402
- Hoffert, M. I., Review of Energy and the Atmosphere. A Physical-Chemical Approach, Campbell, I. M. and Renewable Energy, Sorenson, B., 1981, 3.3, 333-335
- Hoffert, M. I., Wey, Y-C., Calligari, A. J., Broecker, W. S., Atmospheric Response to Deep-Sea Injections of Fossil-Fuel Carbon Dioxide, 1979, 2.1, 53-68
- Holdren, J. P., Gleick, P. H., Review of Carbon Dioxide Review 1982, W. C. Clark, (ed.), 1983, 5.1, 95-96
- Hoyt, D. A., Frohlich, C., Atmospheric Transmission at Davos, Switzerland 1909-1979, 1983, 5.1, 61-71; Variations in Sunspot Structure and Climate, 1979, 2.1, 79-92; Weather 'Records' and Climatic Change, 1981, 3.3, 243-249
- Huang J., Wang S., Investigations on Variations of the Subtropical High in the Western Pacific During Historic Times, 1985, 7.4, 427-440
- Hunt, G., Review of Earth and Cosmos, Kandel, R. S., 1981, 3.2, 215
- Hurt, P. R., Libby, L. M., Pandolfi, L. J., Levine, L. H., Van Engel, W. A., Periodicities in Blue Crab Population of Chesapeake Bay, 1979, 2.1, 75-78
- Idso, S. B., Comments on J. T. Kiehl's Review of John Gribbin's Book 'Future Weather and the Greenhouse Effect' (Climatic Change 5, 421-422), 1984, 6.4, 391-392

- Jager, J., Review of Possible Climatic Consequences of a Man-made Global Warming, Flohn, H., 1982, 4.1, 101-103; Review of Gefahr für unser Klima: Wege aus der CO₂-Bedrohung durch sinnvollen Energieeinsatz (Our Threatened Climate: Averting the CO₂ Problem through Rational Energy Use) Bach, W., 1983, 5.1, 103-104
- Jager, J., Kellogg, W. W., Anomalies in Temperature and Rainfall During Warm Arctic Seasons, 1983, 5.1, 39-60
- Kandel, R. S., Book Review of Carbon Dioxide Review 1982, W. C. Clark (ed.), 1983, 5.1, 97-99
- Katz, R. W., Assessing the Impact of Climatic Change on Food Production, 1977, 1.1, 85-96
- Kauppi, P., Posch, M., Sensitivity of Boreal Forests to Possible Climatic Warming, 1985, 7.1, 45-54
- Kay, P. A., Johnson, D. L., Estimation of Tigris-Euphrates Streamflow from Regional Paleoenvironmental Proxy Data, 1981, 3.3, 251-263
- Kelly, P. M., Climate from Tree Rings (Correspondence), 1981, 3.2, 217-218
- Kiehl, J. T., Reply to Dr. Idso; Reply to Dr. Gribbin, 1984, 6.4, 395-396; Review of Future Weather and the Greenhouse Effect, Gribbin, J., 1983, 5.4, 421-422
- King, A., Review of Ecoscience-Population, Resources, Environment, Ehrlich, P. R., Ehrlich, A. H., and Holdren, J. P., 1978, 1.3, 293-295
- Kington, J. A., Daily Weather Mapping From 1781, 1980, 3.1, 7-36
- Kovda, V., Irrigation and Carbon Dioxide: Virtual Value (Reply to D. H. Yaalon), 1981, 3.2, 209-211; To Combat Salinization of Fertile Soils - An Editorial, 1979, 2.2, 103-108
- Krenz, J. H., Minimizing the Environmental Impact by More Effective Energy Utilization, 1978, 1.4, 307-318; Review of Renewable Energy: The Power to Choose, D. Deudney and C. Flavin, 1984, 6.4, 418-420
- Kutzbach, J. E., Review of Ice Ages: Solving the Mystery, Imbrie, J. and Imbrie, K. P., 1982, 4.1, 100-101
- Lamb, H. H., Review of The Climate Mandate, Roberts, W. O. and Lansford, H., 1980, 2.4, 409-410
- Laurmann, J. A., The Global Greenhouse Warming Problem: Setting the Priorities, 1985, 7.3, 261-265
- Laurmann, J. A., Spreiter, J. R., The Effects of Carbon Cycle Model Error in Calculating Future Atmospheric Carbon Dioxide Levels, 1983, 5.2, 145-181
- Lawson, M. P., Kuivinen, K. C., Balling, R. C. Jr., Analysis of the Climatic Signal in the South Dome, Greenland Ice Core, 1984, 4.4, 375-384
- Ledley, T. S., Review of Ice Sheets and Climate, Oerlemans, J. and van der Veen, C. J., 1985, 7.3, 363-364
- Lindgren, S., Neumann, J., The Cold and Wet Year 1695 - A Contemporary German Account, 1981, 3.2, 173-187; Crossings of Ice-Bound Sea Surfaces in History, 1982, 4.1, 71-97
- Liverman, D., Review of Atmosphere, Weather and Climate, Barry, R. G. and Chorley, R. J., 1984, 6.3, 311
- Lovins, A., Lovins, L. H., Energy, Economics and Climate - An Editorial, 1982, 4.3, 217-220; Reply to J. Ausubel, 1983, 5.1, 105-108
- Luyten, J., Pedlosky, J., Stommel, H., Climatic Inferences from the Ventilated Thermocline, 1983, 5.2, 183-191
- Macintyre, F., On the Temperature Coefficient of P_{CO2} in Seawater, 1978, 1.4, 349-354
- Manabe, S., Wetherald, R. T., Stouffer, R. J., Summer Dryness Due to an Increase of Atmospheric CO₂ Concentration, 1981, 3.4, 347-386
- Marchetti, C., On Geoengineering and the CO₂ Problem, 1977, 1.1, 59-68
- McAfee, R. J., Review of Climate: Present, Past and Future. Vol. 2: Climatic History and The Future, Lamb, H. H., 1979, 2.1, 96-97
- McGuirk, J. P., A Century of Precipitation Variability Along the Pacific Coast of North America and Its Impact, 1982, 4.1, 41-56
- McKay, G. A., 'What's the Use' - An Editorial, 1979, 2.1, 3-5

- Mead, M., Book review of A Matter of Degree: Heat, Life, and Death, Kavalier, L., 1983, 5.2, 193
- Meehl, G. A., Modeling the Earth's Climate, 1984, 6.3, 259-286
- Meyer-Abich, K., Reply to Schwere Correspondence, 1981, 3.4, 451; Socioeconomic Impacts of CO₂-Induced Climatic Changes and the Comparative Chances of Alternative Political Responses: Prevention, Compensation and Adaptation, 1980, 2.4, 373-385
- Michael, P., Hoffert, M., Tobias, M., Tichler, J., Transient Climate Response to Changing Carbon Dioxide Concentration, 1981, 3.2, 137-153
- Michaels, P. J., The Response of the 'Green Revolution' to Climatic Variability, 1982, 4.3, 255-271; Economic and Climatic Factors in 'Acreage Abandonment' over Marginal Cropland, 1985, 7.2, 185-202
- Molnar, Gy., A Survey of Possible Effects of Long-lasting Absence of Solar Activity on Climate and Some Speculations on Possible Mechanisms, 1981, 3.2, 189-203
- Mooley, D. A., Parthasarathy, B., Fluctuations in All-India Summer Monsoon Rainfall During 1871-1978, 1984, 6.3, 287-301
- Morgan, V. I., An Oxygen Isotope-Climatic Record from the Law Dome, Antarctica, 1985, 7.4, 415-426
- Neumann, J., Climatic Change as a Topic in the Classical Greek and Roman Literature, 1985, 7.4, 441-454
- Neumann, J., Sigrist, R. M., Harvest Dates in Ancient Mesopotamia as Possible Indicators of Climatic Variations, 1978, 1.3, 239-252; Harvest Dates in Ancient Mesopotamia as Possible Indicators of Climatic Variations: Addendum, 1978, 1.3, 253-256
- Nicholson, S. E., Flohn, H., African Environmental and Climatic Changes and the General Atmospheric Circulation in Late Pleistocene and Holocene, 1980, 2.4, 313-348; Correction (see Nicholson and Flohn, Vol. 2, No. 4), 1980, 3.1, 111
- Nkemdirim, L. C., Venkatesan, D., An Urban Impact Model for Changes in the Length of the Frost Free Season at Selected Canadian Stations, 1985, 7.3, 343-362
- Oaks, S. D., Review of Social Science Research and Climate Change, R. S. Chen, E. Boulding, S. H. Schneider, 1985, 7.2, 256-257
- Oerlemans, J., Glacial Cycles and Ice-Sheet Modelling, 1982, 4.4, 353-374
- Ogilvie, A. E. J., The Past Climate and Sea-Ice Record from Iceland, Part I: Data to A.D. 1780, 1984, 6.2, 131-152
- Opie, J., Review of The Great Plains: Perspectives and Prospects, M. P. Lawson, M. E. Baker, (eds.), 1982, 4.3, 319
- Oram, P. A., Sensitivity of Agricultural Production to Climatic Change, 1985, 7.1, 129-152
- Ottermann, J., Anthropogenic Impact on the Albedo of the Earth, 1977, 1.2, 137-155
- Paltridge, G. W., Climate Modelling for the Nesting Scientist, 1979, 2.2, 163-174
- Palumbo, A., Mazzarella, A., Local Recent Changes in Extreme Air Temperature, 1984, 6.3, 303-309
- Parkinson, C. L., Kellogg, W. W., Arctic Sea Ice Decay Simulated for a CO₂-induced Temperature Rise, 1979, 2.2, 149-162
- Parry, M. L., The Problem of Climate in History - An Editorial, 1982, 4.2, 107-110; Estimating the Sensitivity of Natural Ecosystems and Agriculture to Climatic Change - Guest Editorial, 1985, 7.1, 1-3
- Parry, M. L., Carter, T. R., The Effect of Climatic Variations on Agricultural Risk, 1985, 7.1, 95-110
- Pereira, C., Review of Food, Climate and Man, M. R. Biswas and A. K. Biswas, (eds.), 1980, 3.1, 106-108
- Perry, J. S., Review of Climate and Mankind, Gribbin, J., 1980, 2.4, 410-412; Energy and Climate: Today's Problem, Not Tomorrow's, 1981, 3.3, 223-225; Review of Interactions of Energy and Climate, W. Bach, J. Pankrath, J. Williams, (eds.), 1981, 3.4, 453-455
- Pimentel, D., Review of A Wealth of Wild Species: Storehouse for Human Welfare, Myers, N., 1984, 6.1, 102
- Pittock, A. B., Recent Climatic Change in Australia: Implications for a CO₂-

- Warmed Earth, 1983, 5.4, 321-340; Review of The Cold and the Dark: The World after Nuclear War, Ehrlich, P. R., Sagan, C., Kennedy, D., Roberts, W. O., 1985, 7.2, 253-255
- Pittock, A. B., Salinger, M. J., Towards Regional Scenarios for a CO₂-warmed Earth, 1982, 4.1, 23-40
- Pratt, P. F., Effect of Increased Nitrogen Fixation on Stratospheric Ozone, 1977, 1.2, 110-135
- Quinn, M. L., Federal Drought Planning in the Great Plains - A First Look, 1982, 4.3, 273-296
- Rabb, T., Book Review of Climate and History: Studies in Past Climates and Their Impact on Man, Wigley, T. M. L., Ingram, M. J., Farmer, G., 1983, 5.2, 195-198
- Ramaswamy, V., Review of Particulate Carbon: Atmospheric Life Cycle, G. T. Wolff and R. L. Klimisch (eds.), 1983, 5.3, 305-306
- Rannie, W. F., Breakup and Freezeup of the Red River at Winnipeg, Manitoba Canada in the 19th Century and Some Climatic Implications, 1983, 5.3, 283-296
- Rasool, S. I., Review of Theory of Planetary Atmospheres. An Introduction to Their Physics and Chemistry, Chamberlain, J. W., 1980, 3.1, 105-106; On Predicting Calamities, 1983, 5.2, 201
- Rhodes, S. L., Book Review of Acid Rain: The North American Forecast, Howard, R., Perley, M., 1983, 5.1, 100-103
- Rose, N., A Persisting Misconception about the Drought of 1958 in Northeast Brazil, 1980, 2.3, 299-301
- Rosenberg, N. J., The Increasing CO₂ Concentration in the Atmosphere and Its Implication on Agricultural Productivity, 1981, 3.3, 265-279; The Increasing CO₂ Concentration in the Atmosphere and its Implication on Agricultural Productivity II. Effects Through CO₂-induced Climatic Change, 1982, 4.3, 239-254; Review of CO₂ in Plants: The Response of Plants to Rising Levels of Atmospheric Carbon Dioxide, E. R. Lemon (ed.), 1985, 7.4, 462-453
- Rosenzweig, C., Potential CO₂-Induced Climate Effects on North American Wheat-Producing Regions, 1985, 7.4, 367-389
- Rotty, R. M., Weinberg, A. M., How Long Is Coal's Future?, 1977, 1.1, 45-57
- Rowntree, L. B., A Crop-Based Rainfall Chronology for Pre-Instrumental Record Southern California, 1985, 7.3, 327-341
- Rowntree, P. R., Comment on 'Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes' by Emanuel, Shugart, and Stevenson, 1985, 7.4, 455-456
- Royer, A., De Angelis, M., Petit, J. R., A 30,000 Year Record of Physical and Optical Properties of Microparticles from an East Antarctic Ice Core and Implications for Paleoclimate Reconstruction Models, 1983, 5.4, 381-412
- Ruddiman, W. F., Molino, B., Esmay, A., Pokras, E., Evidence Bearing on the Mechanism of Rapid Deglaciation, 1980, 3.1, 65-87
- Sagan, C., Nuclear War and Climatic Change - Guest Editorial, 1984, 6.1, 1-3
- Sakamoto, C., Strommen, N., Yao, A., Assessment with Agro-Climatological Information, 1979, 2.1, 7-20
- Sakamoto, C., LeDuc, S., Strommen, N., Steyaert, L., Climate and Global Grain Yield Variability, 1980, 2.4, 349-367
- Salinger, J., Book Review of The Changing Climate: Responses of the Natural Flora and Fauna, Ford, M.J., 1983, 5.2, 194-195; New Zealand Climate: The Temperature Record, Historical Data and Some Agricultural Implications, 1979, 2.2, 109-126
- Santer, B., The Use of General Circulation Models in Climate Impact Analysis-A Preliminary Study of the Impacts of a CO₂-Induced Climatic Change on West European Agriculture, 1985, 7.1, 71-93
- Sassone, P. G., The Economics of Atmosphere Monitoring Systems: Theory and Applications, 1982, 4.2, 133-171

- Schneider, S. H., Editorial for the First Issue of *Climatic Change*, 1977, 1.1, 3-4; *Climate Change and the World Predicament: A Case Study for Interdisciplinary Research*, 1977, 1.1, 21-43; Author's Reply to Hugh Ellisasser, 1978, 1.3, 299-301; *The CO₂ Problem: Are There Policy Implications - Yet?* - An Editorial, 1980, 2.3, 203-205; 'This Issue Completes the First Two Volumes...' - An Editorial, 1980, 2.4, 311-312; Three from the WMO, 1980, 3.1, 108-110; *Climatic Impact Assessment in the CO₂ Context* - An Editorial, 1981, 3.4, 345-346; *Interdisciplinary Research: A Hedge Against Wavering Public Support of Science* - An Editorial, 1982, 4.1, 3-4; *Climatology and Glaciology: An Interdisciplinary Opportunity* - An Editorial, 1982, 4.4, 327-328; *Volcanic Dust Veils and Climate: How Clear Is the Connection?* - An Editorial, 1983, 5.2, 111-113; *The Problem of 'Pre-Industrial' CO₂ Concentration* - An Editorial, 1983, 5.4, 311-313; *Deforestation and Climatic Modification* - An Editorial, 1984, 6.3, 227-229; 'Natural Experiments' and CO₂-Induced Climate Change: The Controversy Drags on - An Editorial, 1984, 6.4, 317-321; *Science by Consensus: The Case of the National Defense University Study 'Climate Change to the Year 2000'* - An Editorial, 1985, 7.2, 153-157; Editorial, 1985, 7.4, 365,366
- Schuermans, C. J. E., *Influence of Solar Activity on Winter Temperatures: New Climatological Evidence*, 1978, 1.3, 231-237
- Schware, R., *Comment on Meyer-Abich's Socioeconomic Impacts of CO₂-induced Climatic Changes (Correspondence)*, 1981, 3.4, 449-450
- Schwerdtfeger, W., *Review of The History of Meteorology: to 1800*, Frisinger, H. H. 1978, 1.3, 291-197
- Segal, M., Pielke, R. A., Mahrer, Y., *On Climatic Changes Due to a Deliberate Flooding of the Qattara Depression (Egypt)*, 1983, 5.1, 73-83
- Seiler, W., Crutzen, P. J., *Estimates of Gross and Net Fluxes of Carbon between the Biosphere and the Atmosphere from Biomass Burning*, 1980, 2.3, 207-247
- Sellers, P. J., Lockwood, J. G., *A Numerical Simulation of the Effects of Changing Vegetation Type on Surface Hydroclimatology*, 1981, 3.2, 121-136
- Semtner, A. J. Jr., *On Modelling the Seasonal Thermodynamic Cycle of Sea Ice in Studies of Climatic Change*, 1984, 6.1, 27-37; *The Climatic Response of the Arctic Ocean to Soviet River Diversions*, 1984, 6.2, 109-130
- Shaw, G. E., *Bio-controlled Thermostatosis Involving the Sulfur Cycle*, 1983, 5.3, 297-303
- Siegenthaler, U., *19th Century Measurements of Atmospheric CO₂ - A Comment*, 1984, 6.4, 409-411
- Sinha, S. K., *Review of Agroclimate Information for Development: Reviving the Green Revolution*, D. F. Cusack (ed.), 1984, 6.1, 100-102
- Skaggs, R. H., Baker, D. G., *Fluctuations in the Length of the Growing Season in Minnesota*, 1985, 7.4, 403-414
- Smith, E. A., Vonder Haar, T. H., Hickey, J. R., Maschhoff, R., *The Nature of the Short Period Fluctuations in Solar Irradiance Received by the Earth*, 1983, 5.3, 211-235
- Smith, V. K., *Economic Impact Analysis and Climate Change: A Conceptual Introduction*, 1982, 4.1, 5-22
- Sonnenfeld, P., *Effects of a Variable Sun at the Beginning of the Cenozoic Era*, 1978, 1.4, 355-382
- Stanhill, G., *The Montsouris Series of Carbon Dioxide Concentration Measurements, 1877-1910*, 1982, 4.3, 221-237; *Reply With Some Additional Details on 'The Montsouris Series of Carbon Dioxide Concentration Measurements, 1877-1910' (Climatic Change 4, 221-237)*, 1983, 5.4, 417-419; *A Further Reply Concerning the Accuracy of the 'Montsouris Series of Carbon Dioxide Concentration Measurements, 1877-1910' (Climatic Change 4, 221-237)*, 1984, 6.4, 413-415
- Stewart, T. R., Glantz, M. H., *Expert Judgment and Climate Forecasting: A*

- Methodological Critique of 'Climate Change to the Year 2000', 1985, 7.2, 159-183
- Stoker, C. R., Review of The Origin and Evolution of Planetary Atmospheres, A. Henderson-Sellers, 1984, 6.1, 99-100
- Striem, H. L., Some Aspects of the Relation Between Monthly Temperatures and Rainfall, and Its Use in Evaluating Earlier Climates in the Middle East, 1979, 2.1, 69-74
- Taubenfeld, H. J., Review of Weather Modification - Technology and Law, R. J. Davis and L. O. Grant (eds.), 1979, 2.2, 193-194
- Terjung, W. H., Liverman, D. M., Hayes, J. T., Climatic Change and Water Requirements for Grain Corn in the North American Great Plains, 1984, 6.2, 193-220
- Thompson, J. D., Ocean Deserts and Ocean Oases, 1978, 1.3, 205-230
- Thompson, K., Forests and Climate Change in America: Some Early Views, 1980, 3.1, 47-64; The Question of Climatic Stability in America Before 1900, 1981, 3.3, 227-241
- Thompson, S. L., Review of Climatic Variations and Variability: Facts and Theories, A. Berger, (ed.), 1982, 4.2, 210-212; An Evolving 'Nuclear Winter' - Guest Editorial, 1984, 6.2, 105-107
- Timmerman, P., Review of Consequences of Climatic Change, C. D. Smith, M. Parry, (eds.), 1982, 4.2, 207-208; Review of Climate and History: Studies in Interdisciplinary History, R. J. Rotberg and T. K. Rabb (eds.), 1983, 5.2, 198-200
- Tyson, P. D., Temporal and Spatial Variation of Rainfall Anomalies in Africa South of Latitude 22 Degrees During the Period of Meteorological Record, 1980, 2.4, 363-371
- van den Dool, H. M., Krijnen, H. J., Schuurmans, C. J. E., Average Winter Temperatures at De Bilt (The Netherlands): 1634-1977, 1978, 1.4, 319-330
- Verstraete, M., Review of Natural Resources and Development in Arid Regions, Campos-Lopez, E., Anderson, R. J., 1984, 6.3, 311-314; Review of Resource Management and Environmental Uncertainty: Lessons from Coastal Upwelling Fisheries, Glantz, M. H., Thompson, J. D., 1982, 4.1, 99-100; Review of Dynamique des Climats et de l'Ecoulement Fluvial, Frecaut, R., Pagny, P., 1985, 7.2, 258-259
- Vickers, G. G., Munn, R. E., A Canadian Haze Climatology, 1977, 1.1, 97-103
- Viecelli, J. A., Ellsaesser, H. W., Burt, J. E., A Carbon Cycle Model with Latitude Dependence, 1981, 3.3, 281-302; The Atmospheric Carbon Dioxide Response to Oceanic Primary Productivity Fluctuations, 1984, 6.2, 153-166
- Vincent, C. E., Davies, T. D., Beresford, A. K. C., Recent Changes in the Level of Lake Naivasha, Kenya, as an Indicator of Equatorial Westerlies over East Africa, 1979, 2.2, 175-189
- Vines, R. G., Rainfall Patterns in the Eastern United States, 1984, 6.1, 79-98
- Waddington, E. D., Review of The Climatic Record in Polar Ice Sheets, G. de Q. Robin (ed.), 1984, 6.2, 221-223
- Wang, P.-K., On the Relationship Between Winter Thunder and the Climatic Change in China in the Past 2200 Years, 1980, 3.1, 37-46
- Ward, W. T., Russell, J. S., Winds in Southeast Queensland and Rain in Australia and Their Possible Long-term Relationship with Sunspot Number, 1980, 3.1, 89-104
- Warren, S. G., Review of The Physics of Glaciers, Paterson, W. S. B. (2nd Edition), 1982, 4.3, 320-321; Ice and Climate Modeling: An Editorial Essay, 1982, 4.4, 329-340
- Warrick, R. A., Review of Vulnerability, Resilience, and Collapse of Society, Timmerman, P., 1982, 4.2, 208-210; The Possible Impacts on Wheat Production of a Recurrence of the 1930s Drought in the U.S. Great Plains, 1984, 6.1, 5-26
- Warrick, R. A., Riebsame, W. J., Societal Response to CO₂-induced Climate

- Change: Opportunities for Research, 1981, 3.4, 387-428
- Waterman, L. S., Comments on 'The Montsouris Series of Carbon Dioxide Concentration Measurements, 1877-1910' by G. Stanhill (Climatic Change 4, 221-237), 1983, 5.4, 413-415
- Watts, R. G., Climate Models and CO₂-Induced Climatic Changes, 1980, 2.4, 387-408
- Webster, P. J., The Carbon Dioxide/Climate Controversy: Some Personal Comments on Two Recent Publications, 1984, 6.4, 377-390
- Weiss, B., The Decline of Late Bronze Age Civilization as a Possible Response to Climatic Change, 1982, 4.2, 173-198
- Weiss, E. B., International Liability for Weather Modification, 1978, 1.3, 267-290; Review of Legal and Scientific Uncertainties of Weather Modifications, W. A. Thomas (ed.), 1979, 2.1, 93-94
- Wendler, G., Eaton, F., On the Desertification of the Sahel Zone, 1983, 5.4, 365-380
- Whitten, R. C., Stratospheric Ozone (Correspondence), 1979, 2.2, 197-198
- Wigley, T. M. L., Review of Climatic Change and Society: Consequences of Increasing Atmospheric Carbon Dioxide, Kellogg, W. and Schwart, R., 1981, 3.4, 456-457; Review of Carbon Dioxide, Climate and Man, Gribbin, J., 1983, 5.1, 99-100; The Pre-Industrial Carbon Dioxide Level, 1983, 5.4, 315-320
- Williams, G. D. V., Estimated Bioresource Sensitivity to Climatic Change in Alberta, Canada, 1985, 7.1, 55-69
- Williams, J., Anomalies in Temperature and Rainfall during Warm Arctic Seasons as a Guide to the Formulation of Climate Scenarios, 1980, 2.3, 249-266; Review of Climatic Change, Agriculture and Settlement, Parry, M. L., 1980, 2.3, 304-305
- Wright, P. B., An Approach to Modeling Climate Based on Feedback Relationships, 1980, 2.3, 283-298
- Yaalon, D. H., Irrigation and Carbon Dioxide, Or What's in a Supposition (Response to Editorial), 1981, 3.2, 205-207
- Yao, A. Y. M., LeComte, D. M., Review of Climatic Change and Food Production, K. Takahashi and M. M. Yoshino (eds.), 1980, 2.3, 303-304